

BURST SIGNAL DETECTION CIRCUIT

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ABSTRACT OF THE DISCLOSURE

10 A burst signal detection circuit for detecting the
arrival of a burst-like signal, which can accurately
detect the burst signal against the DC level variations
even in the case where the arriving burst signal is a
weak signal, is disclosed. A DC variation removing
circuit detects the bottom level of an input signal and
removes the DC level variation of the input signal based
15 on the bottom level. An amplitude identifying circuit
detects the presence or absence of a burst signal based
on the output signal of the DC variation removing
circuit. The amplitude identifying circuit includes an
amplitude detection circuit for detecting the maximum
20 amplitude of the output signal of the DC variation
removing circuit, a threshold level control circuit for
controlling the threshold level and a comparator for
comparing the output level of the amplitude detection
circuit with the threshold level and outputting a
25 detection signal indicating the presence or absence of a
burst signal.